



T.K.M. COLLEGE OF ARTS AND SCIENCE

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THIRD CYCLE NAAC REASSESSMENT 2022

7.1.5 Green initiatives

Submitted to



THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

Green Initiatives

Environment and Sustainability

- Policy aims to integrate a philosophy of sustainable development into the institution's activities and establish and promote sound environmental practice.
- Providing a safe and healthful workplace.
- Having an environmentally sustainable aware culture, where responsibility is assigned and understood;
- Being an environmentally responsible neighbour in our community;
- Conserving natural resources by reusing and recycling;
- Using, in our own operations, processes that do not adversely affect the environment.
- Ensuring the responsible use of energy throughout the activities of the institution.
- Participating in efforts to improve environmental protection and understanding.
- Taking steps to improve environmental performance continually.
- Conducting rigorous audits, evaluations, and self-assessments of the implementation of this policy.
- Working with suppliers who promote sound environmental practices.
- Enhancing awareness among our employees, volunteers, and users – educating and motivating them to act in an environmentally responsible manner.

Waste management

- Separate colour coded bins for different types of wastes are placed throughout the campus at important vantage points for proper collection and segregation of wastes.
- Vermicompost units are established in the campus for disposal of biodegradable wastes generated through garden trimming and vegetable wastes from the canteen and hostel mess.
- Biogas plants have been installed in the campus to convert the food waste generated into biogas.

- The college has taken initiatives to implement segregation of solid waste and hand over plastic waste for recycling and safe disposal instead of the unhealthy practice of burning it or dumping it in public places or water bodies.
- College has given special awareness programmes to laboratory safety measures and disposal of chemical waste in proper scientific way.
- College has installed incineration unit in the campus for hygiene and proper sanitation.
- The NSS unit of T. K.M College use the economic principle of waste management and create cloth bags from textile waste and used cloths. A skill acquisition training has been conducted to NSS Volunteers in Grow Bag manufacturing as a part of Women Empowerment Programme.
The raw material for these grow bags were used flex banners which were collected from different departments.
- The use of waste papers, polythene covers and bottles for making flowers and baskets, generates in students the idea of reuse of such waste materials into a creative and useful means
- The institution join hands with the Swachh Bharath Mission programme. The college has been awarded as the 'Best performance award' for swachatha hi seva campaign.
- The college has a remarkable role in Haritha Keralam programme. Waste like glass splinters and aluminum scraps are separated and disposed in an eco-friendly manner.
- The institution follows 'Green Protocol' while conducting seminars and other events .Students and faculty are encouraged to use steel lunch boxes and steel glasses.
- As per the green protocol the college optimizes the usage of paper by using technology for information sharing and documentation. Office automation has contributed immensely towards reducing paper waste.
- The use of single use plastic is strictly banned within the campus. The college follows green protocol for all its official and public meetings seminars and conferences. College has established a plastic free zone around the campus.
- All the electronic devices are maintained regularly to avoid scathe.

- The hardware of the devices are given to the nearby schools and institutes offering hardware courses.
- Liquid waste management College encouraged the reuse of liquid solvents derived from laboratory and successfully implemented in the research as well as other laboratories.
- The Dept of Chemistry encouraged the reuse of liquid solvents derived from laboratory and successfully implemented in the research as well as other laboratories.
- College has given special awareness programs to laboratory safety measures and disposal of chemical waste in proper scientific way Waste water is reused for gardening purposes and ground water is recharged using water recharge pits.
- Drip irrigation is used in gardening purpose to reduce the use of water. Maintenance of leaking pipes is done with immediate effect.

Green Campus

- The teaching and non-teaching staffs adopt carpooling system, this in turn will reduce carbon di oxide emission.
- .A good number of students rely on public transportation to reach campus. A small percentage of students use motor bikes or cars for transportation.
- The whole pedestrian ways are interlocked for better water holding capacity, in an ecofriendly manner.
- The roads are beautified with trees on both sides. Each entrance of the college is monitored by Security persons, they help the smooth functioning of the pedestrian facility.
- Plastic free campus The campus has been declared plastic-free. The use of plastic is strictly restricted in the campus. Students are advised to bring their lunch in steel boxes, which avoids accumulation of plastic carry bags in the campus.
- Separate waste baskets are used for bio-degradable and non-biodegradable materials. Reusable cups and plates are promoted inside the campus to reduce plastic usage.

- The non-biodegradable wastes are giving to scrap dealers. Women study unit students are trained for making carry bags from different waste material.
- Paperless Office Communication among the teachers and office are through WhatsApp groups and e mails. All departments have their own e mail-id. Electronic forms are promoted to reduce the paper usage. Electronic display is placed in front of the office to display major activities of the colleges; it helps to minimize the use of flex boards.
- We have a public addressed system; most of the announcements are happened through this system. We have online attendance submission system. Students are asked to submit their copies of assignments in soft copy format.
- Green landscaping The college has a biodiversity rich botanical garden , with rare plant species. The garden act as an ecosystem for different birds and animals. Instead of that we have well maintained garden with beautiful leafy plants and flowering plants. Different varieties of trees have been planted in the campus and their names are displayed.
- Drip irrigation has promoted to reduce water usage.
- The trees in the campus are identified with their botanical names.